CLAIMS

What is claimed is:

- A fiber-forming bushing comprising:
 a tip plate comprising at least two tip sections and section spacing
- 5 between the tip sections; and a lateral support extending laterally along the section spacing.
 - 2. The bushing according to claim 1, wherein the support is thermally and electrically insulated from the tip plate.
 - 3. The bushing according to claim 1, wherein the support is coated with a ceramic material.
 - 4. The bushing according to claim 1, wherein a layer of zirconium oxide is applied to the support.
 - 5. The bushing according to claim 1, wherein the support is hollow.
- The bushing according to claim 1, wherein the lateral support has
 opposing ends and a nipple extending from each of the opposing ends so that the nipples are in fluid communication with the lateral support.

- 7. A fiber-forming bushing comprising:
 - a bushing body;
 - a throat provided at an upper end of the bushing body;
 - an elongate tip plate provided at a lower end of the bushing body, the tip
- 5 plate comprising at least two tip sections and section spacing between the tip sections;
 - a support extending longitudinally along the tip plate; and
 - a lateral support extending laterally along the section spacing.
 - 8. The bushing according to claim 7, wherein the supports are thermally and electrically insulated from the tip plate.
 - 9. The bushing according to claim 7, wherein each of the supports is coated with a ceramic material.
 - 10. The bushing according to claim 7, wherein a layer of zirconium oxide is applied to the supports.
 - 11. The bushing according to claim 7, wherein the supports are hollow.
- 20 12. The bushing according to claim 11, the each of the supports has opposing ends and a nipple extending from each of the opposing ends so that the nipples are in fluid communication with the supports.
- 13. The bushing according to claim 11, wherein the support and the lateral25 support traverse one another.

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- 14. The bushing according to claim 11, wherein the lateral support is comprised of two hollow members having a fluid conduit extending across the support and between the hollow members.
- 15. The bushing according to claim 14, wherein the conduit is a generally U-shaped conduit having two legs, each of the legs being connected to a corresponding one of the hollow members so that the conduit is in fluid communication with the hollow members, the U-shaped conduit extending downward and across the support.
 - 16. A fiber-forming bushing comprising:
 - a bushing body;
 - a throat provided at an upper end of the bushing body;

an elongate tip plate provided at a lower end of the bushing body, the tip plate comprising at least two tip sections and section spacing between the tip sections;

a support comprising an elongate center support extending between a pair of laterally extending end supports, the center support extending longitudinally along the tip plate, the end supports extending laterally along opposing ends of the tip plate; and

a lateral support extending laterally along the section spacing and between the end supports.

- 17. The bushing according to claim 16, wherein the supports are thermally and electrically insulated from the tip plate.
- 25 18. The bushing according to claim 16, wherein each of the supports is coated with a ceramic material.

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- 19. The bushing according to claim 16, wherein a layer of zirconium oxide is applied to the supports.
- The bushing according to claim 16, wherein the supports are hollow and
 the center support is in fluid communication with the end supports.
 - 21. The bushing according to claim 20, wherein the end supports and opposing ends of the lateral support have a nipple extending therefrom so that the nipples are in fluid communication with the end supports and the lateral support.
 - 22. The bushing according to claim 20, wherein the center support and the lateral support traverse one another.
 - 23. The bushing according to claim 20, wherein the lateral support is comprised of two hollow members having a fluid conduit extending across the center support and between the hollow members.
 - 24. The bushing according to claim 23, wherein the conduit is a generally U-shaped conduit having two legs, each of the legs being connected to a corresponding one of the hollow members so that the conduit is in fluid communication with the hollow members, the U-shaped conduit extending downward and across the center support.